COMP132- HW2

In C, I implemented by using struct, pointers, linked list, etc. In Java, I implemented by using oop, linked list, etc. I think that Java allows solving the problem more easily due to several reasons. First of all, OOP is providing a great advantage against C. I can create and use objects by just using the constructor of classes such as customer, cashier, etc. Also, in C it is more complicated to use a linked list. However in Java, a linked list is easy to use with built-in methods. I think representing real-world entities with objects and thinking in terms of objects is helpful. Java supports concepts such as exception handling, inheritance, polymorphism which can be helpful while solving real-world problems. For example, let's consider a self-driving car company that wants to get track of the location of their cars and they want to control them remotely. They can get enormous help from OOP. They can think cars as objects and they can access car’s coordinates, uniqueid, model, etc. Moreover, they can use methods like move(), park(), accelerate(), etc for those cars. More examples can also be differentiated. To sum up, using oop in real-world situations gives us easiness to handle real-world problems.